**3GPP TSG-SA5 Meeting #155 *S5-243358***

**Jeju, South Korea, 27 - 31 May 2024**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.541** | **CR** | **1227** | **rev** | **1** | **Current version:** | **18.7.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
|  | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Rel-18 CR TS 28.541 corrections for PCFInfo | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE Corporation, Orange | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | AdNRM\_ph2 | | | | |  | ***Date:*** | | | 2024-05-07 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | 1. proseCapability and v2xCapability should be CM instead of Optional according to TS 29.510. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Corrections for pcfinfo to align with TS 29.510. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Inconsistent atttibutes may cause misunderstanding. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.3.163 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Revision of S5-242406 | | | | | | | | |

***Start of First change***

### 5.3.163 PcfInfo <<dataType>>

#### 5.3.163.1 Definition

This data type represents information of a PCF Instance. (See clause 6.1.6.2.20 TS 29.510 [23]).

#### 5.3.163.2 Attributes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | S | isReadable | isWritable | isInvariant | isNotifyable |
| groupId | O | T | T | F | T |
| dnnList | O | T | T | F | T |
| supiRanges | O | T | T | F | T |
| gpsiRanges | O | T | T | F | T |
| rxDiamHost | CM | T | T | F | T |
| rxDiamRealm | CM | T | T | F | T |
| v2xSupportInd | O | T | F | F | T |
| proseSupportInd | O | T | F | F | T |
| proseCapability | CM | T | T | F | T |
| v2xCapability | CM | T | T | F | T |
| a2xSupportInd | O | T | F | F | T |
| a2xCapability | CM | T | T | F | T |
| rangingSlPosSupportInd | O | T | F | F | T |

#### 5.3.163.3 Attribute constraints

|  |  |
| --- | --- |
| Name | Definition |
| rxDiamHost CM S | Condition: Rx interface feature is supported. |
| rxDiamRealm CM S | Condition: Rx interface feature is supported. |
| proseCapability CM S | Condition: ProSe Capability is supported. |
| v2xCapability CM S | Condition: V2X Capability is supported. |
| a2xCapability CM S | Condition: the PCF supports A2X Capability. |

#### 5.3.163.4 Notifications

The subclause 4.5 of the <<IOC>> using this <<dataType>> as one of its attributes, shall be applicable.

***End of First change***